|                 |          |          |  |          |        |           |          |                 |             |          |         | 10/650,181      |                |                |           |           |    |       |            |                 |          | OHTA ET AL. |                                     |      |          |                 |          |  |  |  |
|-----------------|----------|----------|--|----------|--------|-----------|----------|-----------------|-------------|----------|---------|-----------------|----------------|----------------|-----------|-----------|----|-------|------------|-----------------|----------|-------------|-------------------------------------|------|----------|-----------------|----------|--|--|--|
|                 |          |          |  |          |        |           |          |                 |             |          |         | Examiner of guy |                |                |           |           |    |       |            |                 |          | Un          | it                                  |      |          |                 |          |  |  |  |
| i ( <b>85</b> ) |          |          |  |          |        |           |          |                 |             |          |         |                 |                | Tod T. Van Roy |           |           |    |       |            |                 |          |             |                                     | 2828 |          |                 |          |  |  |  |
|                 | П        |          |  | 1        | П      | (1        | hmu      | ah n            | 1 1 1 1 1 1 |          |         | ٦               | $\Box$         |                |           |           |    |       | П          |                 |          |             |                                     |      |          |                 |          |  |  |  |
|                 |          | Reje     | _ (Through nun Cancelle                          |          |        |           | led      | -               | '',         |          | N Non-E |                 |                | -EIe           | ect       | cted      |    | A     | Appeal     |                 |          |             |                                     |      |          |                 |          |  |  |  |
|                 | =        | Alla     | wed  |          | +      |           |          | Restricted      |             |          |         |                 | I Interference |                |           |           | ce |       | 0          | Objected        |          |             |                                     |      |          |                 |          |  |  |  |
|                 |          |          |  | J        | ,      |           |          |                 |             |          |         |                 |                |                |           |           |    |       |            |                 | J. Oata  |             |                                     |      |          | <b>_</b>        |          |  |  |  |
| Claim           | -,       |          | Dat  | •        |        | $\dashv$  | Claim    |                 | 7           | _        | Date    | e<br>           | _              | <del></del>    |           | Cla       |    | Н     | Date       |                 |          |             |                                     | -    |          |                 |          |  |  |  |
| Final           | 17 705   |          |  |          |        |           | Final    | Original        |             |          |         |                 |                |                |           | ١         |    | Final | Original   |                 |          |             |                                     |      |          |                 |          |  |  |  |
|                 |          | $\vdash$ | -  | ╁        | +      | -         | -        | 51              | Н           | +        |         | +-              | Н              | -              | $\dashv$  | 4         | ŀ  |       | 101        | $\vdash \vdash$ | +        | ╀           | ┞                                   | Н    | $\dashv$ | $\vdash$        | -        |  |  |  |
|                 | 1        |          |  | $\Box$   | $\Box$ |           |          | 52              |             | $\dashv$ | +       | 1               | Н              | ᅥ              | 1         | ヿ         | 1  |       | 102        | ╁┼              | +        | +           | 十                                   | Н    | Н        |                 |          |  |  |  |
| 13              |          |          | Ш  | П        |        |           |          | 53              | $\Box$      | $\dashv$ |         |                 |                |                |           | ╗         |    |       | 103        | П               | $\Box$   | I           | Г                                   |      |          |                 | $\Box$   |  |  |  |
| (3)             |          |          | H  | ╂╌╂╴     | + +    | -         | -        | 54<br>55        | $\dashv$    | $\dashv$ | +       | ┿               | Н              | ┥              | $\dashv$  | $\dashv$  | 1  |       | 104        | ┥               | ┿        | ╫           | ₩                                   | Н    |          | -               | -        |  |  |  |
|                 |          | $\vdash$ | 11   | H        | ++     | $\dashv$  |          | 56              |             | +        | +       | +               | Н              | 1              | 7         | $\dashv$  | Ì  |       | 106        |                 | +        | ╈           | 十                                   | Н    |          | $\forall$       | ┥ !      |  |  |  |
|                 |          |          |  |          |        | $\exists$ |          | 57              |             | $\dashv$ | $\bot$  |                 |                | $\Box$         | $\Box$    |           | Ì  |       | 107        |                 | 1        | 工           |                                     |      |          | $\Box$          | □        |  |  |  |
|                 | K        | -        | ₩  | ₩        | +      | -         | <b>—</b> | <b>58</b><br>59 | $\dashv$    | +        | +       | ╄               | Н              | -              | $\dashv$  | -         | ŀ  |       | 108<br>109 | $\vdash$        | +        | +-          | ╂                                   | Н    | Н        | $\dashv$        | -        |  |  |  |
| 10              |          | -        | $\vdash$   | H        | +      | $\dashv$  | $\vdash$ | 60              | $\dashv$    | +        | +       | +               | Н              | ᅥ              | ┪         | ⊣         | ŀ  |       | 110        | Н               | +        | +           | ⊢                                   | Н    | Н        | $\forall$       |          |  |  |  |
| 11              |          |          |  |          |        |           |          | 61              |             | 士        |         |                 |                |                |           | $\Box$    | Ì  |       | 111        |                 | 工        | 上           |                                     |      |          |                 |          |  |  |  |
| 12              | Н        |          | $\vdash$   | $\sqcup$ | +11    | 4         |          | 62              |             | $\perp$  | $\bot$  | 1               |                | 4              | 4         | 4         |    |       | 112        | Ш               | 1        | $\bot$      |                                     |      |          | $\Box$          |          |  |  |  |
| 13              | Н        | $\vdash$ | <del>                                     </del> | ╀        | +      |           | $\vdash$ | 63<br>64        | $\dashv$    | +        | ┿       | ╁               | $\vdash$       | -              | +         | $\dashv$  | -  |       | 113<br>114 | Н               | +        | ╁           | ┢                                   | Н    | Н        |                 | ┥ !      |  |  |  |
| 15              | F31      |          | 1 1  | $\Box$   | 11     | _         |          | 65              |             | $\top$   | +       | +               | H              | ┪              | 7         | ┪         | ı  |       | 115        | H               | +        | ╁           | $\vdash$                            | Н    |          |                 | <b>-</b> |  |  |  |
| 16              |          |          |  | П        |        | $\Box$    |          | 66              |             | $\Box$   |         |                 |                | $\Box$         | $\Box$    |           |    |       | 116        |                 | $\perp$  | 工           |                                     |      |          |                 | ]        |  |  |  |
| 17<br>18        | Н        |          | ╁┼   | ╀        | +      | -         | -        | 67<br>68        | $\dashv$    | +        | +       | ╀               | Н              | -              | -         | 4         | ŀ  |       | 117<br>118 | $\sqcup$        | +        | +           | ┞                                   | Н    | Н        | $\dashv$        | -        |  |  |  |
| 19              | Н        |          | $\vdash$   | $\vdash$ | ++     | $\dashv$  | -        | 69              | -           | +        | +       | $\vdash$        | Н              | ᅥ              | $\dashv$  | $\dashv$  |    |       | 119        | Н               | +        | ╫           | ┢                                   | Н    | -        | +               | -        |  |  |  |
| 20              |          |          |  |          |        | コ         |          | 70              |             | .1       | 土       | L               |                |                | $\exists$ | $\exists$ | l  |       | 120        |                 |          |             |                                     |      |          |                 |          |  |  |  |
| 21              | Н        |          |  | 1.1      | 4-4    | _         | $\Box$   | 71              |             | 4        | $\perp$ | $\perp$         |                | 4              | _         | $\dashv$  |    |       | 121        | Ц               | Ţ        | $\bot$      | $ldsymbol{ldsymbol{ldsymbol{eta}}}$ |      |          |                 | □ '      |  |  |  |
| 22              | Н        | +        | $\vdash$   | H        | ++     |           | -        | 72<br>73        | $\dashv$    | +        | +       | ╁               | Н              | $\dashv$       | $\dashv$  | $\dashv$  | I  |       | 122        | Н               | +        | ┿           | ╀                                   | Н    | Н        | $\dashv$        | ┥ '      |  |  |  |
| 24              | П        |          |  | $\Box$   | $\Box$ | ⊣         |          | 74              | $\dashv$    | 十        | 十       | $\top$          | H              | ٦              | 1         | ╛         | 1  |       | 124        | H               | 十        | +-          |                                     | Н    |          |                 | -        |  |  |  |
| 25              | П        |          |  | П        | $\Box$ | $\Box$    |          | 75              | $\Box$      | 1        | Ţ       | I               |                | $\Box$         | $\exists$ |           |    |       | 125        |                 | $\perp$  |             |                                     |      |          |                 | ]        |  |  |  |
| 26              | Н        | -        | $\vdash$   | ╀┼       | +      |           | $\vdash$ | 76<br>77        | -           | -        | +-      | ╀               | Н              | -              | $\dashv$  | -         | ŀ  |       | 126<br>127 | $\vdash \vdash$ | -        | +           | ┞                                   | Н    | $\dashv$ | $\dashv$        | _        |  |  |  |
| 28              | Н        |          | $\Box$   | 1 +      | +      | $\dashv$  | $\vdash$ | 78              | $\dashv$    | +        | +-      | +               | Н              | $\dashv$       | ┪         | $\dashv$  | ŀ  | -     | 128        | Н               | +        | ┿           | ⊢                                   | Н    | Н        | -               | -        |  |  |  |
| 29              |          |          |  |          |        |           |          | 79              |             | 士        |         |                 |                |                | ╛         | ╛         | t  |       | 129        |                 | 土        |             |                                     |      |          |                 |          |  |  |  |
| 30              | Н        |          | $\vdash$   | $\sqcup$ | 4-4    | _         |          | 80              |             | 1        | $\perp$ | _               | Ц              | _              | _         | _         |    |       | 130        | Ц               | 4        | 1           |                                     |      |          |                 |          |  |  |  |
| 31<br>32        | H        | +        | +  | ╂┼       | ╅┥     | $\dashv$  | $\vdash$ | 81<br>82        | $\dashv$    | $\dashv$ | +       | +               | Н              | -              | 4         | $\dashv$  | ŀ  |       | 131<br>132 | ⊢┼              | +        | ┿           | $\vdash$                            | Н    | $\vdash$ | $\vdash \vdash$ | -        |  |  |  |
| 33              |          |          |  |          |        | $\exists$ |          | 83              |             | 士        | 士       | $\perp$         | Н              | _              | _         |           | ł  |       | 133        | H               | _        | T           | $\vdash$                            | Н    | Н        |                 | 1        |  |  |  |
| 34              |          |          | П  |          | $\Box$ |           |          | 84              | $\Box$      | $\Box$   | 1       |                 |                | $\Box$         | $\exists$ |           |    |       | 134        |                 |          | $\perp$     |                                     |      |          |                 | ]        |  |  |  |
| 35<br>36        | ╀┦       | +        | <del>├-</del> ├-                                 | ╂┼       | +      |           | $\vdash$ | 85<br>86        | $\dashv$    | +        | +       | +               | Н              | 4              | 4         | 4         | ŀ  |       | 135<br>136 | $\vdash \vdash$ | +        | +           | <del> </del>                        | Н    | Н        | $\dashv$        | _        |  |  |  |
| 37              | $\vdash$ |          | <del>   -</del>                                  | $\vdash$ | +      | $\dashv$  |          | 87              | $\dashv$    | +        | +       | ╁               | Н              | $\dashv$       | ┪         | $\dashv$  | -  |       | 137        | $\vdash$        | +        | ╁           | ╁                                   | Н    | Н        | $\vdash$        |          |  |  |  |
| 38              |          |          |  |          |        |           |          | 88              |             |          | 土       |                 | П              | ╛              | 寸         | $\exists$ |    |       | 138        | П               | $\top$   | T           | $\vdash$                            | П    |          |                 | <b>-</b> |  |  |  |
| 39              |          |          | Ц.   | $\sqcup$ | +      | _         |          | 89              | $\Box$      | $\bot$   | Ţ       |                 |                | $\Box$         | $\Box$    | $\Box$    |    |       | 139        |                 | $\perp$  | I           |                                     |      |          |                 | <b>-</b> |  |  |  |
| 40              | ┦        |          | $\vdash$   | ╂        | +-     |           | $\vdash$ | 90<br>91        | $\dashv$    | +        | +       | ╁               | Н              | -              | -         | $\dashv$  | }  |       | 140        | Н               | +        | +           | ├-                                  | Н    | Н        | $\vdash$        | - ·      |  |  |  |
| 42              |          |          |  | 廿        | 1      | _         |          | 92              | $\dashv$    | 十        | +       | +               | Н              | $\dashv$       | +         | $\dashv$  | ŀ  |       | 142        | H               | $\dashv$ | +           | +-                                  | Н    | Н        | $\vdash \vdash$ | ┪ !      |  |  |  |
| 43              |          |          |  |          | $\Box$ |           |          | 93              |             | $\perp$  | $\perp$ |                 |                |                |           |           | İ  |       | 143        |                 |          |             |                                     |      |          |                 | <b>_</b> |  |  |  |
| 44              | $\vdash$ | +        | - -  |          | +      | $\dashv$  | <b> </b> | 94<br>95        |             | $\bot$   | 4       |                 | П              | _              | 1         | 4         | F  | _     | 144        | $\Box$          |          | $\bot$      | <u> </u>                            | П    | Ц        | $\Box$          | _        |  |  |  |
| 46              | ╁┤       | -        | <del> - -</del>                                  | +        | ┿      | $\dashv$  | $\vdash$ | 96<br>96        | $\dashv$    | +        | +       | ╁               | Н              | ┥              | $\dashv$  | $\dashv$  | -  |       | 145<br>146 | ╁┼              | +        | +           | $\vdash$                            | Н    | Н        | $\vdash \vdash$ | <b>-</b> |  |  |  |
| 47              | 口        |          |  |          | $\Box$ | $\Box$    |          | 97              |             | 士        | 土       |                 | Ħ              |                |           | ゴ         | t  |       | 147        |                 | 土        | 士           | 上                                   | H    |          | ㅂ               |          |  |  |  |
| 48              | igcup    |          |  | $\vdash$ | +      | 4         | $\Box$   | 98              | J           | 4        | $\bot$  | $\vdash$        | Ц              |                | $\Box$    | $\Box$    |    |       | 148        | П               | Ţ        | Ţ           | L                                   | П    |          | $\Box$          |          |  |  |  |
| 49<br>50        | H        | -        | +  | +        | +      | $\dashv$  | <b>!</b> | 99<br>100       | +           | +        | +       | +               | Н              | $\dashv$       | $\dashv$  | $\dashv$  | ŀ  | 2     | 149<br>150 | H               | +        | ╁           | $\vdash$                            | Н    | $\vdash$ | $\vdash \vdash$ | -        |  |  |  |
|                 | 1        |          |  |          |        |           | نـــا    |                 |             |          |         |                 |                |                |           | _         | Ĺ  |       | .50        |                 |          | _1          | <u></u>                             | ئے   | ب        | <b></b>         | <b>-</b> |  |  |  |
|                 |          |          |  |          |        |           |          |                 |             |          |         |                 |                |                |           |           |    |       |            |                 |          |             |                                     |      |          |                 |          |  |  |  |

Application/Control No.

Index of Claims

Applicant(s)/Patent under Reexamination